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PN - JP2000116363 A20000425  
PD - 2000-04-25  
PR - JP19980289415 19981012  
OPD - 1998-10-12  
TI - BUCKWHEAT LEAVES JUICE  
IN - OTANI FUMIO  
PA - OTANI FUMIO  
IC - A23L2/38 ; A23L1/30 ; A23L1/302 ; A23L2/52 ; A61P3/10 ; A61P9/12 ;  
A61P9/14 ; A61P35/00 ; A61K31/375 ; A61K31/7048 ; A61K35/78

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TI - Juice of buckwheat leaf, useful as health food, is obtained from ground or  
fragmented buckwheat leaf  
PR - JP19980289415 19981012  
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PA - (OTAN-I) OTANI F  
IC - A23L1/30 ; A23L1/302 ; A23L2/38 ; A23L2/52 ; A61K31/375 ; A61K31/7048  
; A61K35/78 ; A61P3/10 ; A61P9/12 ; A61P9/14 ; A61P35/00  
AB - JP2000116363 NOVELTY - Juice of buckwheat leaf is obtained from ground  
and/or fragmented buckwheat leaf.  
- USE - As a health food having high rutin content. The juice prevents  
hypertension, arteriosclerosis, diabetes mellitus and cancer. It makes the  
blood vessels flexible and strong.  
- ADVANTAGE - The juice can be mixed along with lemon, mandarin orange,  
grape fruit, orange, oyster, broccoli and vegetable juice. The juice is also  
compatible with apple, strawberry, banana, avocado, tomato, milk and yoghurt.  
Juice can also be added with sweeteners such as sugar, honey, maple syrup,  
oligosaccharide, mineral such as potassium, selenium and zinc. The juice  
can also be mixed with alcoholic beverages such as sake, whiskey, curries,  
soups, konjac and noodles.  
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AP - JP19980289415 19981012  
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TI - BUCKWHEAT LEAVES JUICE

none

none

none

- AB - PROBLEM TO BE SOLVED: To obtain buckwheat leaves juice rendered easy to drink while being enriched with rutin as an ingredient abundant in buckwheat leaves and effective for health maintenance.
- SOLUTION: This buckwheat leaves juice is obtained by grinding and/or milling buckwheat leaves.
- SI - A61P3/10 ;A61P9/12 ;A61P9/14 ;A61P35/00 ;A61K31/375 ;A61K31/7048 ;A61K35/78
- I - A23L2/38 ;A23L1/30 ;A23L1/302 ;A23L2/52

none

none

none

TRANSLATION

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(71) Applicant  
398012199  
Fumio Ohtani  
4-14-44 Sakurayama  
Zushi-shi  
Kanagawa-ken

(72) Inventor  
Fumio Ohtani  
4-14-44 Sakurayama  
Zushi-shi  
Kanagawa-ken

(74) Agent  
100075476  
C. Usami, Patent Attorney

**(54) [Title of the Invention]**

A buckwheat leaf juice

**(57) [Abstract]**

[Problem] The present invention addresses the problem of the enrichment of, and ready consumption of, rutin which is a component effective in maintaining health contained in abundance in the leaves of the buckwheat [Japanese name = soba; *Fagopyrum esculentum*].

[Resolution Means] A juice is provided from the leaves of buckwheat by the grinding and/or the fine shredding of said buckwheat leaves.

**[Scope of Claims]**

[Claim 1] A buckwheat leaf juice obtained by the grinding and/or fine shredding of buckwheat leaves

[Claim 2] A buckwheat leaf juice according to Claim 1 where said buckwheat leaves are the seed leaves (cotyledons)

[Claim 3] A buckwheat leaf juice according to Claim 1 or Claim 2 where vitamin C is also added

**[Detailed Description of the Invention]**

[0001]

[Industrial Field of Application] The present invention relates to a buckwheat leaf juice.

[0002]

[Problem to be Resolved by the Invention] The leaves of the buckwheat contain rutin, which is a material possessing a blood vessel reinforcing action, in an amount more than 100 times that of buckwheat flour and so such leaves are an extremely outstanding food in terms of health but, when provided for consumption as they are, they cannot be said to be particularly tasty and they are difficult to consume in substantial amounts.

[0003]

[Means for Resolving the Problem] As a means for resolving this problem, the present invention provides a juice from the leaves of buckwheat obtained by the grinding and/or fine shredding of buckwheat leaves. These buckwheat leaves are preferably the seed leaves (cotyledons) and the addition of vitamin C is also preferred. The seed leaves of buckwheat do not have as harsh a taste as the true leaves but the rutin content is practically the same, so a juice employing the seed leaves is easier to drink. Furthermore, the effects of the rutin contained in the buckwheat leaves are enhanced by vitamin C. The present invention is explained in detail below.

[0004]

[Mode of Practising the Invention] In producing the juice of the present invention, normally the raw leaves are directly subjected to grinding and/or fine shredding in a mixer, juicer or the like. The leaves of the buckwheat used for this juice may be of any variety but,

preferably, they are those of the large-leafed Shinshu Ohsoba, Hokkei Ichigo, Miyazaki Ohtsubu or other such Yonbaitai type buckwheat leaves, or the leaves of Dattan Soba which have a high rutin content. Furthermore, where desired, the solids component of said juice may be removed by filtering or centrifuging. In the case where vitamin C is also added, as well as adding powder-form pure vitamin C there may, for example, be added to the juice a food such as fruit or vegetables high in vitamin C like lemons, tangerines, oranges, grapefruit, persimmons, broccoli or the like. In such circumstances, said food may be jointly added when producing the juice from the buckwheat leaves, or juice from said food may be mixed with the buckwheat leaf juice.

[0005] There may also be mixed with the juice of the present invention the juice of other foods such as strawberries, apples, bananas, avocados or tomatoes, or milk, yoghurt or the like, and it is also possible to add sweeteners such as sugar, honey, maple syrup or oligosaccharides, or the minerals which are often found to be lacking in the general population such as potassium, selenium and zinc, etc.

[0006] The juice of the present invention may be provided to be drunk as it is or, alternatively, it may also be mixed with alcoholic drinks such as saké, whisky, or shochu, or added to curries, soups or the like. Furthermore, it may be added at the time of the production of tofu, konjak, noodles or the like.

[0007]

[Effects of the Present Invention] The leaves of buckwheat contain considerable rutin and, furthermore, they contain caffeic acid and other antioxidant materials. By drinking the juice thereof it is possible to prevent and cure high blood pressure, to prevent and cure arteriosclerosis by softening and reinforcing blood vessels, and also to prevent diabetes and cancer. Moreover, the juice of buckwheat leaves is non habit-forming, and it is considerably easier to drink than the currently-marketed kale juice.

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